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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=12; day=9; hr=15; min=8; sec=49; ms=874;]

=====

Application No: 10567939 Version No: 1.0

Input Set:**Output Set:**

Started: 2008-11-19 15:30:36.969
Finished: 2008-11-19 15:35:59.429
Elapsed: 0 hr(s) 5 min(s) 22 sec(s) 460 ms
Total Warnings: 6426
Total Errors: 9596
No. of SeqIDs Defined: 6464
Actual SeqID Count: 6464

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-11-19 15:30:36.969
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No. of SeqIDs Defined: 6464
Actual SeqID Count: 6464

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 257 SEQID(55)
E 342	'n' position not defined found at POS: 979 SEQID(576)
E 342	'n' position not defined found at POS: 980 SEQID(576)
E 342	'n' position not defined found at POS: 981 SEQID(576)
E 342	'n' position not defined found at POS: 982 SEQID(576)
E 342	'n' position not defined found at POS: 983 SEQID(576)
E 342	'n' position not defined found at POS: 984 SEQID(576)
E 342	'n' position not defined found at POS: 985 SEQID(576)
E 342	'n' position not defined found at POS: 986 SEQID(576)
E 342	'n' position not defined found at POS: 987 SEQID(576)
E 342	'n' position not defined found at POS: 988 SEQID(576)
E 342	'n' position not defined found at POS: 989 SEQID(576)
E 342	'n' position not defined found at POS: 990 SEQID(576)
E 342	'n' position not defined found at POS: 991 SEQID(576)
E 342	'n' position not defined found at POS: 992 SEQID(576)
E 342	'n' position not defined found at POS: 993 SEQID(576)
E 342	'n' position not defined found at POS: 994 SEQID(576)
E 342	'n' position not defined found at POS: 995 SEQID(576)
E 342	'n' position not defined found at POS: 4246 SEQID(647)
E 342	'n' position not defined found at POS: 4247 SEQID(647)
	This error has occurred more than 20 times, will not be displayed
E 341	'Xaa' position not defined SEQID (4160) POS (12)

Input Set:

Output Set:

Started: 2008-11-19 15:30:36.969
Finished: 2008-11-19 15:35:59.429
Elapsed: 0 hr(s) 5 min(s) 22 sec(s) 460 ms
Total Warnings: 6426
Total Errors: 9596
No. of SeqIDs Defined: 6464
Actual SeqID Count: 6464

Error code	Error Description
E 341	'Xaa' position not defined SEQID (4160) POS (13)

Sequence Listing

<110> Alexander Abbas
Hilary Clark
Wenjun Ouyang
P. Mickey Williams
William I. Wood
Thomas D. Wu

<120> Compositions and Methods for the Treatment of Immune
Related Diseases

<130> GNE-0267-R1-1US

<140> 10567939

<141> 2008-11-19

<150> PCT/US2004/026249

<151> 2004-08-11

<150> US 60/493,546

<151> 2003-08-11

<160> 6464

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<211> 562

<212> DNA

<213> Homo sapien

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<212> PRT
<213> Homo sapien

<220>
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<222> 111, 117, 131
<223> unknown amino acid

<400> 2

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				20					25					30

Met	Arg	Ile	Tyr	Lys	Lys	Gly	Asp	Ile	Val	Asp	Ile	Lys	Gly	Met
				35					40					45

Gly	Thr	Val	Gln	Lys	Gly	Met	Pro	His	Lys	Cys	Tyr	His	Gly	Lys
				50					55					60

Thr	Gly	Arg	Val	Tyr	Asn	Val	Thr	Gln	His	Ala	Ala	Gly	Ile	Val
				65					70					75

Val	Asn	Glu	Gln	Val	Lys	Gly	Lys	Ile	Leu	Ala	Lys	Arg	Ile	Asn
				80					85					90

Val	Arg	Ile	Glu	His	Ile	Lys	His	Ser	Lys	Ser	Arg	Asp	Asn	Phe
				95					100					105

Leu	Lys	Arg	Val	Lys	Xaa	Asp	Asp	Gln	Glu	Lys	Xaa	Glu	Ala	Gln
				110					115					120

Glu	Lys	Gly	Thr	Trp	Val	Gln	Leu	Lys	Arg	Xaa	Pro	Ala	Pro	Pro
				125					130					135

Arg	Glu	Ala	His	Phe	Val	Arg	Thr	Asn	Gly	Lys	Glu	Pro	Glu	Leu
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				155					160

<210> 3
<211> 2714
<212> DNA
<213> Homo sapien

<400> 3

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ccatttacgt agattcacaa aaagaaaatg agagggtggaa tgttatttct 250
aatcacagt tgaagaacat taaaaagatg tggcataggg aacaaatgaa 300
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<210> 4

<211> 548

<212> PRT

<213> Homo sapien

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				20						25				30

Lys	Ala	Leu	Met	Thr	Val	Gly	Lys	Glu	Pro	Phe	Pro	Thr	Ile	Tyr	35	40	45
Val	Asp	Ser	Gln	Lys	Glu	Asn	Glu	Arg	Trp	Asn	Val	Ile	Ser	Lys	50	55	60
Ser	Gln	Leu	Lys	Asn	Ile	Lys	Lys	Met	Trp	His	Arg	Glu	Gln	Met	65	70	75
Lys	Ser	Glu	Ser	Arg	Glu	Lys	Lys	Glu	Ala	Glu	Asp	Ser	Leu	Arg	80	85	90
Arg	Glu	Lys	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Ile	Thr	Ile	Lys	Asn	95	100	105
Asp	Pro	Ser	Leu	Pro	Glu	Pro	Lys	Cys	Val	Lys	Ile	Gly	Ala	Leu	110	115	120
Glu	Gly	Tyr	Arg	Gly	Gln	Arg	Val	Lys	Val	Phe	Gly	Trp	Val	His	125	130	135
Arg	Leu	Arg	Arg	Gln	Gly	Lys	Asn	Leu	Met	Phe	Leu	Val	Leu	Arg	140	145	150
Asp	Gly	Thr	Gly	Tyr	Leu	Gln	Cys	Val	Leu	Ala	Asp	Glu	Leu	Cys	155	160	165
Gln	Cys	Tyr	Asn	Gly	Val	Leu	Leu	Ser	Thr	Glu	Ser	Ser	Val	Ala	170	175	180
Val	Tyr	Gly	Met	Leu	Asn	Leu	Thr	Pro	Lys	Gly	Lys	Gln	Ala	Pro	185	190	195
Gly	Gly	His	Glu	Leu	Ser	Cys	Asp	Phe	Trp	Glu	Leu	Ile	Gly	Leu	200	205	210
Ala	Pro	Ala	Gly	Gly	Ala	Asp	Asn	Leu	Ile	Asn	Glu	Glu	Ser	Asp	215	220	225
Val	Asp	Val	Gln	Leu	Asn	Asn	Arg	His	Met	Met	Ile	Arg	Gly	Glu	230	235	240
Asn	Met	Ser	Lys	Ile	Leu	Lys	Ala	Arg	Ser	Met	Val	Thr	Arg	Cys	245	250	255
Phe	Arg	Asp	His	Phe	Phe	Asp	Arg	Gly	Tyr	Tyr	Glu	Val	Thr	Pro	260	265	270
Pro	Thr	Leu	Val	Gln	Thr	Gln	Val	Glu	Gly	Gly	Ala	Thr	Leu	Phe	275	280	285
Lys	Leu	Asp	Tyr	Phe	Gly	Glu	Glu	Ala	Phe	Leu	Thr	Gln	Ser	Ser	290	295	300
Gln	Leu	Tyr	Leu	Glu	Thr	Cys	Leu	Pro	Ala	Leu	Gly	Asp	Val	Phe	305	310	315

Cys Ile Ala Gln Ser Tyr Arg Ala Glu Gln Ser Arg Thr Arg Arg	320	325	330
His Leu Ala Glu Tyr Thr His Val Glu Ala Glu Cys Pro Phe Leu	335	340	345
Thr Phe Asp Asp Leu Leu Asn Arg Leu Glu Asp Leu Val Cys Asp	350	355	360
Val Val Asp Arg Ile Leu Lys Ser Pro Ala Gly Ser Ile Val His	365	370	375
Glu Leu Asn Pro Asn Phe Gln Pro Pro Lys Arg Pro Phe Lys Arg	380	385	390
Met Asn Tyr Ser Asp Ala Ile Val Trp Leu Lys Glu His Asp Val	395	400	405
Lys Lys Glu Asp Gly Thr Phe Tyr Glu Phe Gly Glu Asp Ile Pro	410	415	420
Glu Ala Pro Glu Arg Leu Met Thr Asp Thr Ile Asn Glu Pro Ile	425	430	435
Leu Leu Cys Arg Phe Pro Val Glu Ile Lys Ser Phe Tyr Met Gln	440	445	450
Arg Cys Pro Glu Asp Ser Arg Leu Thr Glu Ser Val Asp Val Leu	455	460	465
Met Pro Asn Val Gly Glu Ile Val Gly Gly Ser Met Arg Ile Phe	470	475	480
Asp Ser Glu Glu Ile Leu Ala Gly Tyr Lys Arg Glu Gly Ile Asp	485	490	495
Pro Thr Pro Tyr Tyr Trp Tyr Thr Asp Gln Arg Lys Tyr Gly Thr	500	505	510
Cys Pro His Gly Gly Tyr Gly Leu Gly Leu Glu Arg Phe Leu Thr	515	520	525
Trp Ile Leu Asn Arg Tyr His Ile Arg Asp Val Cys Leu Tyr Pro	530	535	540
Arg Phe Val Gln Arg Cys Thr Pro	545		

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<211> 698

<212> DNA

<213> Homo sapien

<400> 5

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ccggaagctc atcaaagatg ggctgatcat ccgcaagcct gtgacggtcc 200
attcccgggc tcgatgccgg aaaaacacct tggcccggcg gaagggcagg 250
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gaaggtcaca tggatgagga gaatgaggat ttgcgccgg ctgctcagaa 350
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ctgaaggtga aggggaatgt gttcaaaaac aagcggattc tcatggaaca 450
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aggctgaggc ccgcaggtct aagaccaagg aagcacgcaa gcgccgtgaa 550
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<211> 196

<212> PRT

<213> Homo sapien

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				20					25					30
Glu	Ile	Ala	Asn	Ala	Asn	Ser	Arg	Gln	Gln	Ile	Arg	Lys	Leu	Ile
				35					40					45
Lys	Asp	Gly	Leu	Ile	Ile	Arg	Lys	Pro	Val	Thr	Val	His	Ser	Arg
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Ala	Arg	Cys	Arg	Lys	Asn	Thr	Leu	Ala	Arg	Arg	Lys	Gly	Arg	His
				65					70					75
Met	Gly	Ile	Gly	Lys	Arg	Lys	Gly	Thr	Ala	Asn	Ala	Arg	Met	Pro
				80					85					90
Glu	Lys	Val	Thr	Trp	Met	Arg	Arg	Met	Arg	Ile	Leu	Arg	Arg	Leu
				95					100					105
Leu	Arg	Arg	Tyr	Arg	Glu	Ser	Lys	Lys	Ile	Asp	Arg	His	Met	Tyr
				110					115					120
His	Ser	Leu	Tyr	Leu	Lys	Val	Lys	Gly	Asn	Val	Phe	Lys	Asn	Lys
				125					130					135

Arg Ile Leu Met Glu His Ile His Lys Leu Lys Ala Asp Lys Ala		
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155	160	165
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Lys		

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gagatgctga agaccatgat gtctgtttct agaaatgagt tgttgcagaa 200

gttggatcca cttgaacaag caaaagtgga tttggtttct gcatacacat 250

taaattcaat gttttggggt tatttggcaa cccaaggagt taatcctaag 300

gaacatccag taaaacagga attggaaaga atcagagtat atatgaacag 350

agtcaaggaa ataacagaca agaaaaaggc tggcaagctg gacagaggtg 400

cagcttcaag atttgtaaaa aatgccctct gggaaccaa atcgaaaaat 450

gcatcaaaag ttgccaataa aggaaaaagt aaaagttaac tttttggttt 500

tgatgtacac atattcaaaa agtacatctt ccccccccc ccccccccg 550

caaaataatt ctgtggcagg gcaaggttta aatgtgtttc ttattaatat 600

gtaaattcac agtaaatatg taaagctaaa tactttcttc tccaaagatc 650

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tatttataat ttaccatctc ttgatgagac tcttatttct ttatataggt 750

cagtcttgca agtaccattt tataagcagc tgtgaaattt aagtgaaatg 800

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 tctatgtccc atttaaaata aaatacattc tcattaactt tagatgggaa 1100
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 <213> Homo sapien

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 35 40 45
 Lys Leu Asp Pro Leu Glu Gln Ala Lys Val Asp Leu Val Ser Ala
 50 55 60
 Tyr Thr Leu Asn Ser Met Phe Trp Val Tyr Leu Ala Thr Gln Gly
 65 70 75
 Val Asn Pro Lys Glu His Pro Val Lys Gln Glu Leu Glu Arg Ile
 80 85 90
 Arg Val Tyr Met Asn Arg Val Lys Glu Ile Thr Asp Lys Lys Lys
 95 100 105
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 125 130 135
 Lys Gly Lys Ser Lys Ser
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 <212> DNA
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caactcatgt ccctcatcat caataccttc tattccaaca aggagatttt 200
ccttcgggag ttgatctcta atgcttctga tgccttggac aagattcgct 250
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